

Collaboration Technologies

Collaboration is the sharing of knowledge that is vital for a corporation to effectively communicate and make informed decisions. Collaboration technologies provide a means to implement knowledge sharing, which addresses business needs and helps organizations achieve business objectives.



One of the biggest challenges in the corporate world today is the ability to communicate pertinent information among a wide range of stakeholders who typically are distributed across multiple organizations and nationwide sites. Software tools that provide solutions to this challenge are categorized into the rapidly growing area of computing known as collaboration. Collaboration tools allow users to communicate via a Web-based interface and standard Web protocols that enable the exchange of knowledge between working groups.

The Knowledge Management Applications group within the BWXT Y-12 Technical Computing organization has developed and implemented a large variety of software applications that support improved communication and coordination within and across organizations. The Knowledge Management Applications group has extensive expertise in establishing collaboration sites for local, state, and national governmental agencies.

Capabilities

- Facilitates communications with team and interested stakeholders
- Provides framework for organizing team information
- Provides central repository for team documents
- Provides an on-line archive of team knowledge
- Reduces security risks associated with distribution of information through e-mail, paper, or removable media
- Reduces e-mail "bloat"
- Provides valuable resource of focused information for future efforts
- Tailors environment for both the user's needs and content management
- Includes document libraries, travel calendars, announcements, highlights, calendar of events, contact information, discussion forums, surveys, and a subscription service



Provide an environment that automates the exchange of data among project team members.



Replace traditional methods used for sharing documents and team information.



Allow rapid communication of the right information at the right time while reducing the redundant storage of electronic and paper documents by each team member.



Applications

The Knowledge Management Applications group has designed and implemented Web-based collaboration sites using commercially available software as well as developed tools for specific application areas. They have experience in defining the computing architecture and establishing the entire collaborative infrastructure based on customer requirements and business needs. Collaborative applications have been provided in the following areas:

- Federal Highway Administration Web application for the Department of Transportation, providing resource centers where common practices and expertise can be located
- Law Enforcement Information Center to allow rapid communication and record exchange among local law enforcement agencies in a five-state area (CAPTURE application)
- Y-12 Fire Protection (FireCom)
- Reimbursable Activities Processing System (RAPS)
- Y-12 Integrated Cyber Security Initiative (ICSI) project team collaboration site for the sharing of team deliverables, status reports, trip reports, and other documentation
- Y-12 Campaigns collaboration site
- K-26 Nonproliferation project team collaboration site. The team coordinates activities of a team that is comprised of members from multiple national laboratories and travels all over the world for nonproliferation-related activities.

For more information, contact:

Kevin R. Finney Y-12 National Security Complex
(865) 574-1736 Oak Ridge, Tennessee
finneykr@y12.doe.gov

Rev.3 09/2003